

ABSTRACT

Appendicitis is an acute inflammatory process affecting the vermiform appendix and which needs acute emergency surgery. Almost all cases of acute appendicitis requires removal of the inflamed appendix by surgical means. It may either be removed by open method or by laparoscopy. Surgery is strictly advised because of the high mortality seen with untreated appendicitis and its complications like sepsis and peritonitis. Acute appendicitis has become one of the most common surgical emergencies in adulthood and teenage.

OBJECTIVES OF THE STUDY

The main objective of this comparative study is to compare the surgical outcomes of laparoscopic and open appendectomy as a prospective hospital based study.

Out of the total number of patients who underwent appendectomy, one group of patients who underwent open appendectomies will be compared to the other group of patients who underwent laparoscopic appendectomies. Following modalities will be compared among the two groups for the assessing the surgical outcomes.

1. Duration of surgery
2. Hospital stay

3. Post operative complications – infection, ileus
4. Pain and use of post operative parenteral analgesia
5. Abdominal pain
6. Usg findings
7. Leucocytosis
8. Guarding/rigidity.
9. Elevated temperature
10. Time taken for appearance of flatus

MATERIALS AND METHODS

There were 186 cases of appendicitis operated in all surgical units in Coimbatore medical college hospital during the period of July 2013 to September 2014.

For this perspective study 50 cases in the age group of 13 to 60 were taken.

Study design : prospective comparative study on 50 patients who underwent appendicectomy.

CONCLUSION

In the present comparative study conducted on 50 patients, the observation of the primary outcome variables showed that there is considerable significant statistical difference in number of days stayed in the post operative ward, amount of analgesics used in the post operative period, duration of the procedure in minutes. So taking into account of primary outcomes it was found out that laparoscopic appendectomy was found to be a better surgical technique than open appendectomy.